

Franz-Josef Mueter, Ph.D.

Address: 697 Fordham Drive, Fairbanks, Alaska, 99709

Phone: (907) 479-8815, FAX: (907) 479-8815, E-mail: fmueter@alaska.net

Education

Ph.D. University of Alaska Fairbanks (1999). Major: Fisheries Oceanography

M.S. University of Alaska Fairbanks (1998). Major: Statistics

M.S. University of Alaska Fairbanks (1992). Major: Biological Oceanography

Vordiplom (B.S.) Rhino-Westphalian Technical University, Aachen, Germany. Major: Biology

Employment

1999-present Statistical consultant and owner, Sigma Plus, Statistical Consulting Services

Spring 2006 Adjunct faculty, School of Fisheries and Ocean Sciences, University of Alaska

2005-present Research Scientist, Joint Institute for the Study of the Atmosphere and Ocean,
University of Washington, Seattle, Washington

2002-2004 Research Associate, Joint Institute for the Study of the Atmosphere and Ocean,
University of Washington, Seattle, Washington

1999-2001 Post-doctoral fellow, School of Resource and Environmental Management, Simon
Fraser University, Burnaby, BC, Canada

1995-99 Research Assistant, Institute of Marine Science, University of Alaska, Fairbanks, AK

1993-94 Research Technician, Juneau Center, School of Fisheries and Ocean Science,
University of Alaska, Fairbanks, Juneau, AK

Professional Services

2005-present Scientific Steering Committee, PICES/ICES Early Career Scientist Conference

2003-present Scientific and Statistical Committee. North Pacific Fisheries Management Council

2003-2004 SCOR/IOC Working Group 119: Quantitative Ecosystem Indicators for Fish Mgmt

2003 North Pacific Ecosystem Status Working Group

Most recent Publications

Mueter, F.J., Ladd, C., Palmer, M.C., and Norcross, B.L. (2006). Bottom-up and top-down controls of walleye pollock (*Theragra chalcogramma*) on the eastern Bering Sea shelf. *Prog. Oceanogr.* **68**:152-183

Mueter, F.J., and Megrey, B.A. 2006. Maximum productivity estimates for the groundfish complexes of the Gulf of Alaska and Eastern Bering Sea / Aleutian Islands. *Fish. Res.* **81**:189-201.

Mueter, F.J., Pyper, B.J. and Peterman, R.M. (2005) Relationships between coastal ocean conditions and survival rates of Northeast Pacific salmon at multiple lags. *Trans. Am. Fish. Soc.* **134**:105-119.

Mueter, F.J. and Megrey, B.A. (2005). Distribution of population-based indicators across multiple taxa to assess the status of Gulf of Alaska and Bering Sea groundfish communities. *ICES J. Mar. Sci.* **62**: 344-352

Mueter, F.J. (2004) Gulf of Alaska. In: *Marine Ecosystems of the North Pacific*. PICES Special Publication 1, pp.153-175.

Mueter, F.-J., Peterman, R.M., and Pyper, B.J. (2002). Opposite effects of ocean temperature on survival rates of 120 stocks of Pacific salmon (*Oncorhynchus* spp.) in northern and southern areas. *Can. J. Fish. Aquat. Sci.* **59**:456-463

- Mueter, F. J., and Norcross, B.L. (2002). Spatial and temporal patterns in the demersal fish community on the shelf and upper slope regions of the Gulf of Alaska. *Fish. Bull.* **100**:559-581
- Mueter, F.J., Ware, D.M., and Peterman, R.M. (2002). Spatial correlation patterns in coastal environmental variables and survival rates of Pacific salmon in the Northeast Pacific Ocean. *Fish. Oceanogr.* **11**:205-218.
- Mueter, F.J., and Norcross, B.L. (2000). Changes in species composition of the demersal fish community in nearshore waters of Kodiak Island, Alaska. *Can. J. Fish. Aquat. Sci.* **57**: 1169-1180.
- Mueter, F.J. and Norcross, B.L. (2000). Species composition and abundance of juvenile groundfishes around six Steller sea lion (*Eumetopias jubatus*) rookeries in the Gulf of Alaska. *Alaska Fish. Res. Bull.* **7**: 33-43.

Professional memberships

American Fisheries Society; American Statistical Association
 American Association for the Advancement of Science

Honors/Awards

1992 outstanding graduate student, Graduate Program in Marine Science and Limnology
 1998 NAS travel award to participate in a symposium to celebrate “50 years of ocean discovery, National Science Foundation 1950-2000” at the National Academy of Sciences, Washington, D.C.

Most recent presentations:

- Mueter, F.J., M.A. Litzow. Effects of climate change on the biogeography of groundfishes in the Southeast Bering Sea. Alaska Chapter, American Fisheries Society, Annual Meeting. Fairbanks, Alaska, November 16, 2006.
- Mueter, F.J., and B.A. Megrey. Estimating multi-species maximum sustainable yields for the Bering Sea / Aleutian Islands and Gulf of Alaska groundfish complexes. Alaska Chapter, American Fisheries Society, Annual Meeting. Fairbanks, Alaska, November 16, 2006.
- Mueter, F.J., B.J. Pyper, R.M. Peterman, and P.W. Lawson (Invited). Spatial scales of ocean environmental effects on Northeast Pacific salmon. NPAFC-PICES Joint Symposium on “The status of Pacific salmon and their role in North Pacific marine ecosystems” Jeju Island, Republic of Korea, October 30 – November 1, 2005
- Mueter, F.J. (Invited). Detecting and modeling environmental effects on recruitment: Strategies and pitfalls. PICES XIV Annual Meeting, Vladivostok, Russia. October 5, 2005.
- Mueter, F.J., B.A. Megrey, and J.M. Napp. Geographical shifts in the spatial distribution of Northeast Pacific groundfish populations. PICES XIV Annual Meeting, Vladivostok, Russia. October 5, 2005.
- Mueter, F.J., J. Boldt, B.A. Megrey, and R.M. Peterman (Invited). Spatial and temporal scales of variability in the productivity of Northeast Pacific fish stocks. Science Board Symposium, PICES XIV Annual Meeting, Vladivostok, Russia. October 3, 2005
- Mueter, F.J., and B.A. Megrey. Variability in groundfish productivity off Alaska: potential causes and implications for management. American Fisheries Society Annual Meeting, Anchorage, Alaska, September 13, 2005.
- Mueter, F.J., Murphy, S.M., Braund, S.R., Moulton, L.J., and R.H. Day (Invited). Analysis of variation in abundance of arctic cisco in the Colville river: analysis of patterns in existing data. MMS-Information Transfer Meeting, Anchorage, Alaska, March 15, 2005.